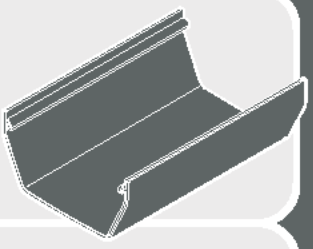
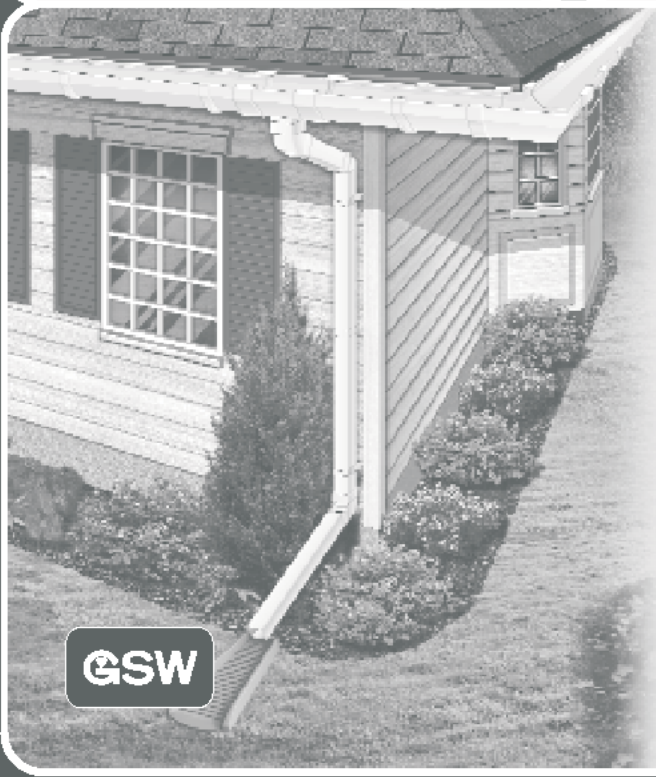
Rain Master®

CONTEMPORARY
Estimating and Installation Guide





Step 1 Estimate
Draw roof line. Measure lengths for gutter.

Step 2 Select
Determine the number of parts you need.

Step 3 Install
Assemble on the ground, lift and attach.

Vinyl Gutter

No caulking or sealants required.
The sensible, virtually indestructible building material.

Vinyl Gutter will not: rust, chip, dent, crush or leak. It stands up to winter ice, snow, heating cables, salt air and desert heat. Our vinyl is UV protected and guaranteed not to crack, peel or corrode. **No need to paint, ever!**

Rain Master®

GUARANTEED FOR A LIFETIME

Worry-free Protection

Your Vinyl Gutter System is guaranteed for as long as you own your home. To validate this warranty, please complete and mail to:

U.S.A.
GSW BUILDING PRODUCTS
43173 Woodward Ave.
P.O. Box 361
Bloomfield Hills, MI
48302
Attention: Customer Service

CANADA
GSW BUILDING PRODUCTS
26 Lorena Street
Barrie, Ontario
L4N 4P4
Attention: Customer Service

GSW

Detach and mail after installation.

Date: _____ Name: _____

Address: _____ City: _____ State/Prov.:____

Zip/Postal: _____ Age of Home/Building (years):_____ Telephone: _____

System purchased: ○ Traditional ○ Contemporary Color:_____

Would you participate in a survey? ○ YES ○ NO Purchased from: Store _____

City: _____ State/Prov.: _____

Questions? Consult your dealer or call our hotline between 8 am - 5 pm ET Monday to Friday **1-800-461-5706**
www.gswinc.com **info@gsw-bp.com**

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7H GCE

Step 1 Estimate

This is only a guide to help you estimate your needs! All installations are different!

Begin by sketching your roofline. Note porches, additions, etc.
Measure the lengths of each gutter run.
Plan and mark downspout locations: minimum 1 for 40' of gutter.
Add downspouts to increase capacity.

Total length of roofline requiring gutter.	Total length of downspout.	Total number of downspout locations.

Two styles of hooks are illustrated. Both styles are not available everywhere. Parts are listed below in the order required for planning.

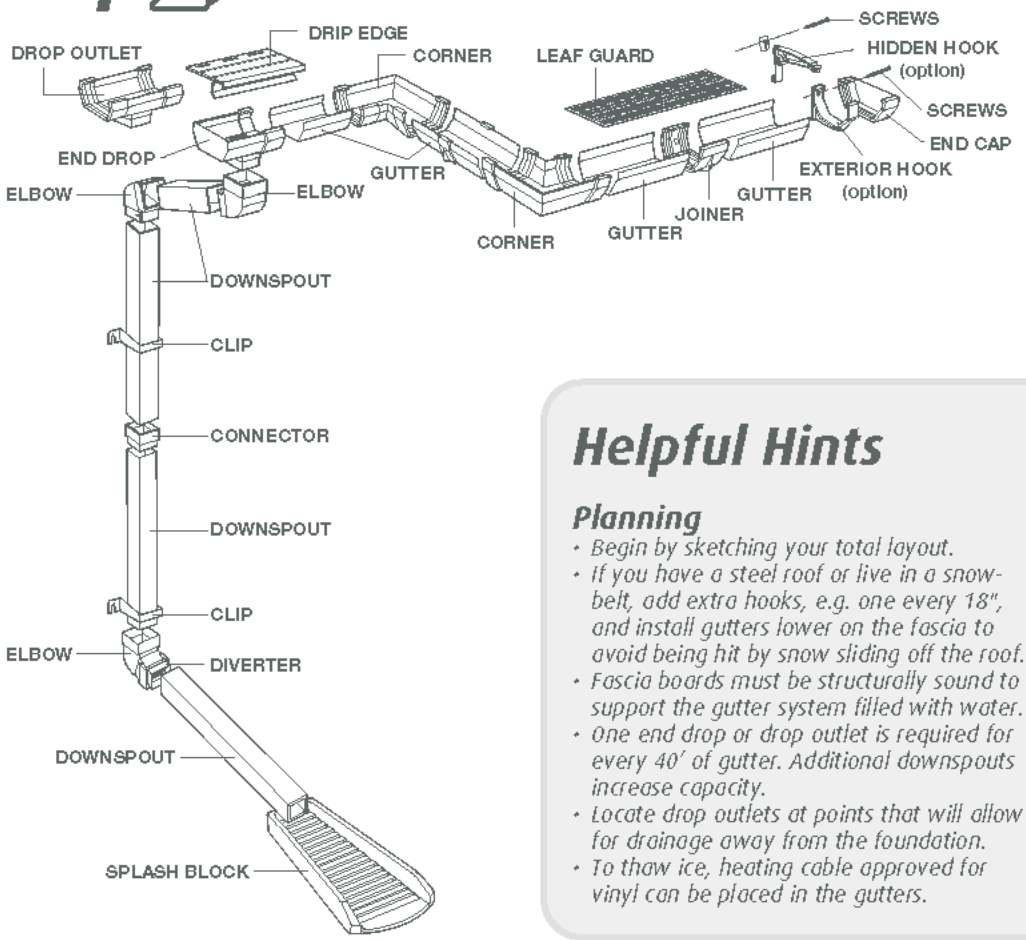
Gutter Parts	Qty	Cost per	Total
GUTTER Total length of roofline divided by 10'		X$ each = $	
EXTERIOR HOOK (option) 4 required for each 10' gutter length		X$ each = $	
HIDDEN HOOK (option) 4 required for each 10' gutter length Dovetail shown detached		X$ each = $	
JOINER 1 to connect gutter lengths		X$ each = $	
CORNER 90° - As needed. See * below for custom corners		X$ each = $	
DROP OUTLET 1 required for max. 40' of gutter		X$ each = $	
END DROP 1 required to finish 40' of gutter		X$ each = $	
END CAP 1 at each end of gutter unless using end drop		X$ each = $	
LEAF GUARD PLUS™ Total length of roofline divided by 6' For use only with hidden hooks		X$ each = $	

Gutter Parts	Qty	Cost per	Total
DRIP EDGE Total length of roofline divided by 10'		X$ each = $	

Downspout Parts	Qty	Cost per	Total
DOWNSPOUT (10' lengths) 1 required for every drop outlet Additional lengths required for diverter assembly and if total height exceeds 10'		X$ each = $	
ELBOW 3 required for each downspout assembly		X$ each = $	
CLIP 2 required for each downspout assembly		X$ each = $	
CONNECTOR 1 required to connect downspouts if height exceeds 10'		X$ each = $	
DIVERTER 1 required at base of each downspout		X$ each = $	

* To make gutter corners other than 90°, instructions are available from our Customer Service desk. Please call 1 800 461 5706 between Monday to Friday 8am – 5pm ET.

Step 2 Select



Helpful Hints

Planning

- *Begin by sketching your total layout.*
- *If you have a steel roof or live in a snow-belt, add extra hooks, e.g. one every 18", and install gutters lower on the fascia to avoid being hit by snow sliding off the roof.*
- *Fascia boards must be structurally sound to support the gutter system filled with water.*
- *One end drop or drop outlet is required for every 40' of gutter. Additional downspouts increase capacity.*
- *Locate drop outlets at points that will allow for drainage away from the foundation.*
- *To thaw ice, heating cable approved for vinyl can be placed in the gutters.*

Installation

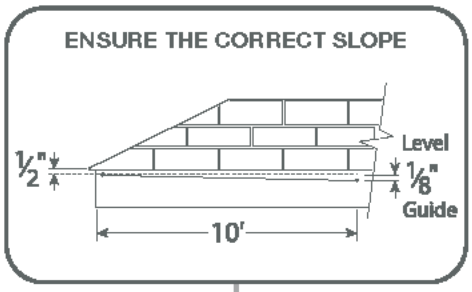
- *Always work safely – never rush.*
- *If fascia boards are not perpendicular to the ground, use the Fascia Fixer (see Accessories).*
- *If parts are difficult to snap together or hooks do not slide freely, lubricate with soapy water.*
- *Make sure cuts are straight. Use a cutting knife and guide, if necessary.*
- *A diverter is recommended at the bottom of each downspout to allow the extension to swing out of the way for yard work.*
- *A splash block can be used at the bottom of the downspouts to disperse water evenly and prevent erosion.*

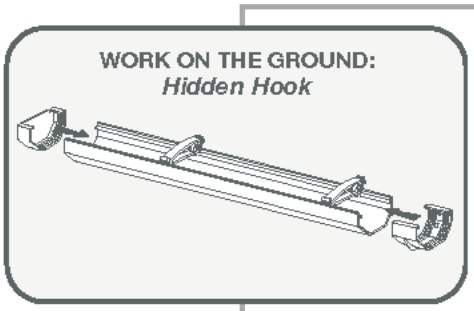
After Installation

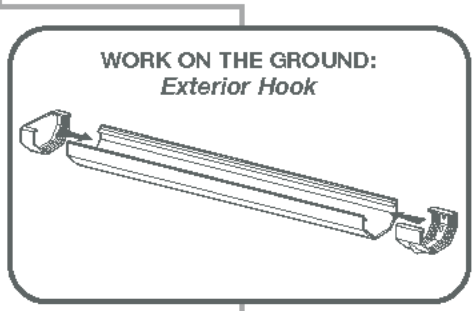
- *If water is running down the fascia board behind the gutter, you may require a Drip Edge or Leaf Guard Plus™ (see Accessories).*
- *Your gutters must be cleaned periodically of leaves and debris. To minimize cleaning time, install a Leaf Guard Plus™ (see Accessories).*
- ***Never** use gutters to support your weight when climbing on to a roof.*
- *Gutters can be painted with a quality exterior latex paint. Check with a reputable paint manufacturer.*
  ***Note:** Painting is not recommended, as the maintenance-free benefits will be lost.*

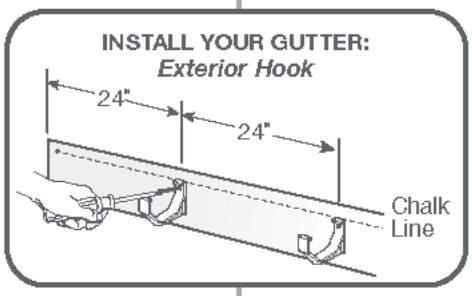
Step 3 Installing: gutters

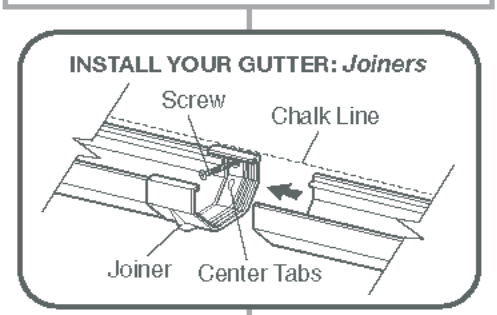
Note: *There are two styles of hooks: hidden and exterior. Both styles are not available everywhere.*

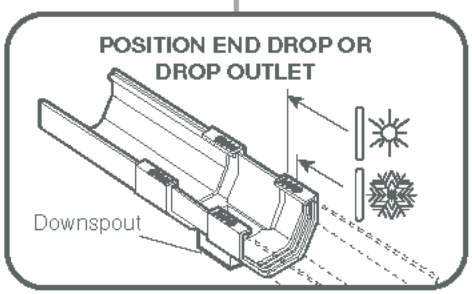












Ensure the correct slope

- At the high end of the run, drive a nail 1/2" below the top of the fascia board.
- Snap a 'level' chalk line from this nail to the opposite end of the gutter run.
- Drop the chalk line 1/8" for every 10' of gutter and snap your 'guide' line.

Work on the ground

- *For hidden hooks only*, detach the dovetail portion and set aside. Slide hooks onto gutter and space 24" starting 24" from ends. *Note:* Exterior hooks mount directly to the fascia.
- Based on your system layout, for each gutter section to be installed, finish the ends with one of the following: end cap, end drop* or drop outlet*, corner or joiner, as required.

  ** See instructions for positioning.*

To ensure a leak-proof system, gutters must extend 1/2" beyond inside edge of seals on each finishing component.

Install your gutter

- *For hidden hooks*, fasten detached dovetails at 24" centers along the guideline on the fascia.
- *For exterior hooks*, fasten at 24" centers along the guideline on the fascia.
- Using a stepladder, lift each section and, starting in the middle, snap into place along the fascia. The assembly will be supported temporarily while you fasten the remaining hooks.
- Screw joiner directly to fascia.
- Repeat these steps for each length of gutter, fitting sections together with joiners or drop outlets and finishing ends with end drops or end caps, as required.

Position end drop or drop outlet to determine final gutter length

- At downspout locations, first position the end drop or drop outlet on the fascia. Next, mark the fascia in line with the sun symbol if installing on a warm day or in line with the snow flake symbol if installing on a cold day. Then measure from the center of the last joiner to the mark on the fascia and cut gutter to length.
- Prepare gutter length as noted above, lift and snap into place.

Do I need special tools?

No! *You need, safety glasses, measuring tape, pencil, level, chalk line, saw, drill set, screwdriver set.*

Is Rain Master easy to install?

Yes!
It's light, durable, has no sharp edges and requires ***no sealants****.*

Step 3 Installing: downspouts

Note: *Match the arrows on the elbows to the direction of water flow.*

Begin at the top

- Attach an elbow to the drop outlet with a 1/2" self-tapping, rust-resistant screw.
- Hold another elbow against the wall in line with the drop outlet elbow and measure between. When measuring, the downspout should fully cover the sleeve on the drop outlet elbow and fit neatly into the collar of the wall elbow. Subtract 1/8" to allow for expansion/contraction.
- To connect the elbows, cut a downspout section to size.
- Secure the elbows to the downspout section with 1/2" self-tapping, rust-resistant screws.

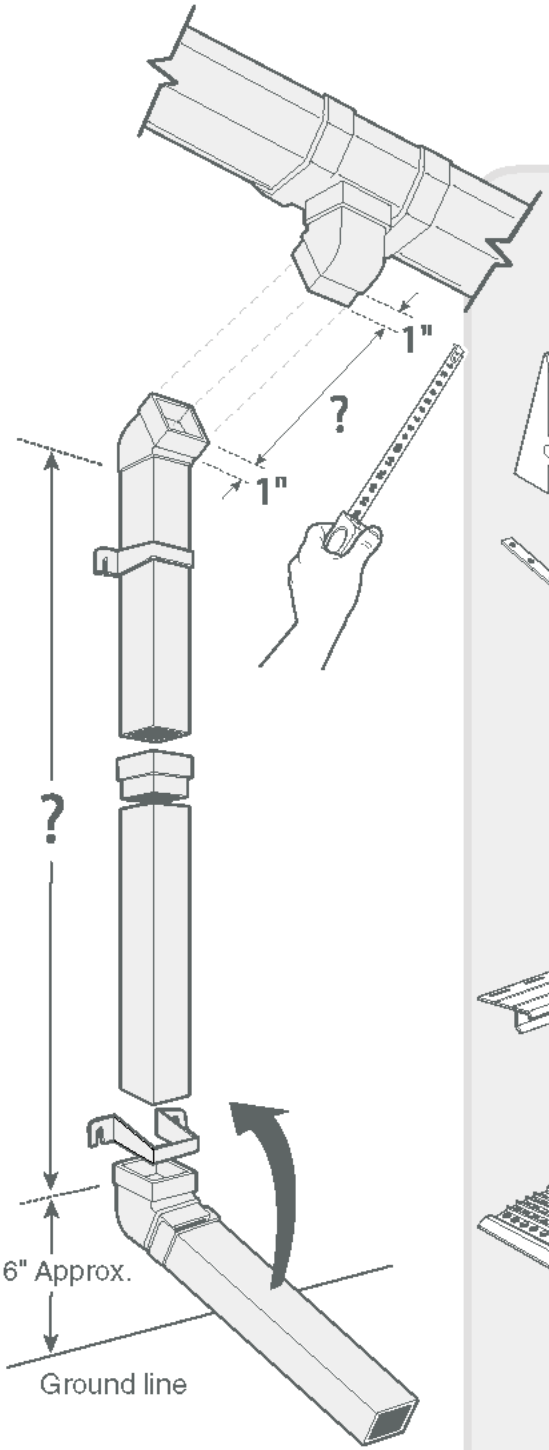
Assemble your downspout lengths

- Determine the total height of downspout by measuring from the wall elbow to approximately 6" above the ground.
- If the total length is more than 10', sections must be joined with a connector.

- At the bottom of the downspout, secure an elbow with a 1/2" self-tapping rust-resistant screw.
- Next, snap two clips over the downspout assembly. *Option:* clips may be secured directly to the downspout with 1/2" self-tapping rust-resistant screws.
- Align the downspout assembly with the drop outlet, connect the top of the assembly to the wall elbow and secure the downspout clips to the wall.

Install your diverter

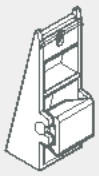
- Attach a diverter to the bottom elbow.
- Attach a downspout section to the diverter.



Downspout damage usually occurs at heights under 6'! Our vinyl downspouts resist crushing or denting.

Rain Master's patented seals eliminate the need for caulking and sealants.

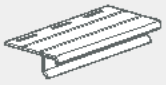
Accessories



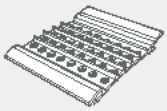
FASCIA FIXER
Provides a vertical surface (if fascia is not) for gutter hooks & drop outlets. Cam faces out. Fasten single 2 1/2" screw through both parts into fascia.

ROOF RAFTER BRACKET
If no fascia exists, mount long end of bracket to one side of roof rafter and attach hooks to other end.

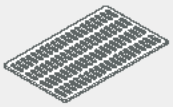
SCREWS
#8 – 1 1/2" rust-resistant screws. Perfect size to attach fittings. Qty: 25/pack



DRIP EDGE
Extends roof edge into gutter. Flip and fasten nail-hole side under shingles. Fin should point down into gutter.
Note: Not required if using Leaf Guard Plus™.



LEAF GUARD PLUS™
Keeps leaves and debris out of gutters plus stops water from running down fascia. **Fits hidden hooks only**. Slides into top clips of hooks, with wide flange to fascia.



LEAF GUARD
Keeps leaves and debris out of gutters. **Fits exterior hooks only**. Determine quantity required by dividing total length of roof line by 6'.

SPLASH BLOCK
Place at the end of downspout or diverter assembly to disperse water evenly and prevent erosion.